

## ABSTRACT

A method for identifying antibacterial agents comprises depleting bacteria of a strain  
5 comprising a luxAB construct of  $\text{Ca}^{2+}$ , incubating the  $\text{Ca}^{2+}$  depleted bacteria with an agent  
the antibacterial effect of which shall be determined, recording the light emitted by the  
bacteria upon addition of an aldehyde, the incubation being carried out at a temperature  
which is at least  $10^{\circ}\text{C}$  higher than the temperature at which the light is emitted by the  
bacteria. Also disclosed are corresponding probes and antibacterial agents identified by the  
10 method.

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(54) Title: METHODE ET SONDE D'IDENTIFICATION D'AGENTS MODIFICATEURS DE LA VIRULENCE BACTERIENNE, AGENTS AINSI IDENTIFIES ET LEUR UTILISATION

(57) Abstract: L'invention porte sur un procédé d'identification d'agents antibactériens modificateurs de virulence comportant les étapes suivantes: épuiser en Ca<sub>2+</sub> les bactéries d'une souche comprenant le gène hybride luxAB; incubé les bactéries épuisées en Ca<sub>2+</sub> avec un agent dont l'effet antibactérien doit être déterminé; et enregistrer la lumière émise par les bactéries après adjonction d'un aldéhyde. L'incubation se fait à une température dépassant d'au moins 10 °C celle à laquelle les bactéries émettent de la lumière. L'invention porte également sur les sondes et sur les agents antibactériens identifiés au moyen dudit procédé.